IN THE CLAIMS

Please amend claims 22, 32, 34, and 35 as set forth below.   Please cancel claims 1-8, 11-16, 19-21, 29-31, 33, 36, 39, and 42-44 without prejudice or disclaimer.   Claims 9-10 and 17-18 were previously canceled.   All pending claims and their present status are produced below.

1   1-21.   (Canceled)

1   22.   (Currently amended)   A driver for driving an LCD (liquid crystal display)
2   panel associated with i number of scan lines and j number of column lines, said i and j being
3   positive integers not less than 2, the driver comprising:
4   a display data memory for storing display data, the display data memory arranged in a
5   matrix corresponding to the i number of the scan lines and the j number of the
6   column lines and concurrently outputting the display data corresponding to a
7   scan block corresponding to m number of the scan lines and said j number of
8   the column lines, said m being a positive integer not less than 2 and not more
9   than i; and
10   a column signal circuit for generating column display signals by modifying the
11   concurrently output display data, the column display signals generating a
12   display on the LCD panel in accordance with the concurrently output display
13   data ~~The driver of claim 14~~, wherein said column signal circuit comprises:
14   an XOR (exclusive OR) block including j number of XOR sets for performing
15   exclusive OR operations between the concurrently output display data
16   and orthogonal function data to determine mismatches, each XOR set

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17   including *m* number of XOR gates corresponding to the *m* number of

18   the scan lines in each scan block.

1   23.   (Previously presented)   The driver of claim 22, wherein said column signal

2   circuit further comprises:

3   a decoder block including *j* number of decoders, the decoders for decoding results of

4   the exclusive OR operations to determine mismatch numbers.

1   24.   (Previously presented)   The driver of claim 23, wherein said column signal

2   circuit further comprises:

3   a level-shifter block including *j* number of level shifters, the level shifters for shifting

4   the data levels of the mismatch numbers to different data levels.

1   25.   (Previously presented)   The driver of claim 24, wherein said column signal

2   circuit further comprises:

3   a voltage selector block including *j* number of voltage selectors, the voltage selectors

4   for selecting voltage levels corresponding to the mismatch numbers.

1   26.   (Previously presented)   The driver of claim 25, wherein *m* is 3.

1   27.   (Previously presented)   The driver of claim 26, wherein each of said level

2   shifters is a 1-bit level shifter.

1   28.   (Previously presented)   The driver of claim 27, wherein each of said voltage

2   selectors selects one voltage level from 2 voltage levels.

1   29-31. (Canceled)

1   32.   (Currently amended)   A liquid crystal display, comprising:

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2 a LCD (liquid crystal display) panel associated with *i* number of scan lines and *j*

3 number of column lines, said *i* and *j* being positive integers not less than 2;

4 a row driver for selecting the scan lines;

5 a column driver for driving the column lines;

6 a display data memory for storing display data, the display data memory arranged in a

7 matrix corresponding to the *i* number of the scan lines and the *j* number of the

8 column lines and concurrently outputting the display data corresponding to a

9 scan block corresponding to *m* number of the scan lines and said *j* number of

10 the column lines, said *m* being a positive integer not less than 2 and not more

11 than *i*; and

12 a column signal circuit for generating column display signals by modifying the

13 concurrently output display data, the column display signals generating a

14 display on the LCD panel in accordance with the concurrently output display

15 data ~~The liquid crystal display of claim 29~~, wherein the column signal circuit

16 comprises:

17 an XOR (exclusive OR) block including *j* number of XOR sets for performing

18 exclusive OR operations between the concurrently output display data

19 and orthogonal function data to determine mismatches, each XOR set

20 including *m* number of XOR gates corresponding to the *m* number of

21 the scan lines in each scan block;

22 a decoder block including *j* number of decoders, the decoders for decoding

23 results of the exclusive OR operations to determine mismatch

24 numbers;

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25 a level-shifter block including *j* number of level shifters, the level shifters for

26 shifting the data levels of the mismatch numbers to different data

27 levels; and

28 a voltage selector block including *j* number of voltage selectors, the voltage

29 selectors for selecting voltage levels corresponding to the mismatch

30 numbers.

1 33. (Canceled)

1 34. (Currently amended) <u>A method for driving an LCD (liquid crystal display)</u>

2 <u>panel associated with *i* number of scan lines and *j* number of column lines, said *i* and *j*</u>

3 <u>being positive integers not less than 2, the method comprising the steps of:</u>

4 <u>concurrently retrieving display data from a scan block of a display data memory, the</u>

5 <u>display data memory arranged in a matrix corresponding to the *i* number of</u>

6 <u>the scan lines and the *j* number of the column lines and the scan block</u>

7 <u>corresponding to *m* number of the scan lines and said *j* number of the column</u>

8 <u>lines, said *m* being a positive integer not less than 2 and not more than *i*; and</u>

9 <u>generating column display signals by modifying the concurrently retrieved display</u>

10 <u>data, the column display signals generating a display on the LCD panel in</u>

11 <u>accordance with the concurrently retrieved display data, wherein modifying</u>

12 <u>the concurrently retrieved display data comprises applying orthogonal</u>

13 <u>function data to the concurrently retrieved display data by performing</u>

14 <u>exclusive OR operations between said concurrently retrieved display data and</u>

15 <u>said orthogonal function data to determine mismatches</u> ~~The method of claim~~

16 ~~3,~~ wherein the exclusive OR operations are performed on said concurrently

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17   retrieved display data without storing said concurrently retrieved display data

18   in data latches prior to the exclusive OR operations.

1   35.   (Currently amended)   A method for driving an LCD (liquid crystal display)

2 panel associated with i number of scan lines and j number of column lines, said i and j

3 being positive integers not less than 2, the method comprising the steps of:

4   concurrently retrieving display data from a scan block of a display data memory, the

5   display data memory arranged in a matrix corresponding to the i number of

6   the scan lines and the j number of the column lines and the scan block

7   corresponding to m number of the scan lines and said j number of the column

8   lines, said m being a positive integer not less than 2 and not more than i; and

9 generating column display signals by modifying the concurrently retrieved display

10   data, the column display signals generating a display on the LCD panel in

11   accordance with the concurrently retrieved display data, wherein generating

12   column display signals comprises:

13   applying orthogonal function data to the concurrently retrieved display data by

14   performing exclusive OR operations between said concurrently

15   retrieved display data and said orthogonal function data;

16   decoding results of the exclusive OR operations to determine mismatch

17   numbers; and

18   shifting the data levels of the mismatch numbers to different data levels ~~The~~

19   ~~method of claim 5~~, wherein the data levels of the mismatch numbers

20   are shifted without storing the mismatch numbers in output latches

21   prior to the step of shifting the data levels of the mismatch numbers.

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36. (Canceled)

37. (Previously presented) The driver of claim 22, wherein the XOR block is directly coupled to the display data memory to perform the exclusive OR operations on said concurrently output display data without storing said concurrently output display data in data latches prior to the exclusive OR operations.

38. (Previously presented) The driver of claim 24, wherein the level-shifter block is directly coupled to the decoder block to shift the data levels of the mismatch numbers to different data levels without storing the mismatch numbers in output latches.

39. (Canceled)

40. (Previously presented) The liquid crystal display of claim 32, wherein the XOR block is directly coupled to the display data memory to perform the exclusive OR operations on said concurrently output display data without storing said concurrently output display data in data latches prior to the exclusive OR operations.

41. (Previously presented) The liquid crystal display of claim 32, wherein the level-shifter block is directly coupled to the decoder block to shift the data levels of the mismatch numbers to different data levels without storing the mismatch numbers in output latches.

42-44. (Canceled)